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\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS	3	JAN 16	CA/Caplus Company Name Thesaurus enhanced and reloaded
NEWS	4	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS	5	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS	6	JAN 22	CA/Caplus updated with revised CAS roles
NEWS	7	JAN 22	CA/Caplus enhanced with patent applications from India
NEWS	8	JAN 29	PHAR reloaded with new search and display fields
NEWS	9	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS	10	FEB 15	PATDPASPC enhanced with Drug Approval numbers
NEWS	11	FEB 15	RUSSIAPAT enhanced with pre-1994 records
NEWS	12	FEB 23	KOREAPAT enhanced with IPC 8 features and functionality
NEWS	13	FEB 26	MEDLINE reloaded with enhancements
NEWS	14	FEB 26	EMBASE enhanced with Clinical Trial Number field
NEWS	15	FEB 26	TOXCENTER enhanced with reloaded MEDLINE
NEWS	16	FEB 26	IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS	17	FEB 26	CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases
NEWS	18	MAR 15	WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS	19	MAR 16	CASREACT coverage extended
NEWS	20	MAR 20	MARPAT now updated daily
NEWS	21	MAR 22	LWPI reloaded
NEWS	22	MAR 30	RDISCLOSURE reloaded with enhancements
NEWS	23	APR 02	JICST-EPLUS removed from database clusters and STN
NEWS	24	APR 30	GENBANK reloaded and enhanced with Genome Project ID field
NEWS	25	APR 30	CHEMCATS enhanced with 1.2 million new records
NEWS	26	APR 30	CA/Caplus enhanced with 1870-1889 U.S. patent records
NEWS	27	APR 30	INPADOC replaced by INPADOCDB on STN
NEWS	28	MAY 01	New CAS web site launched
NEWS	29	MAY 08	CA/Caplus Indian patent publication number format defined
NEWS	30	MAY 11	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS EXPRESS			NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 10:36:21 ON 14 MAY 2007

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 10:36:34 ON 14 MAY 2007

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STRUCTURE FILE UPDATES: 13 MAY 2007 HIGHEST RN 934672-05-6

DICTIONARY FILE UPDATES: 13 MAY 2007 HIGHEST RN 934672-05-6

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TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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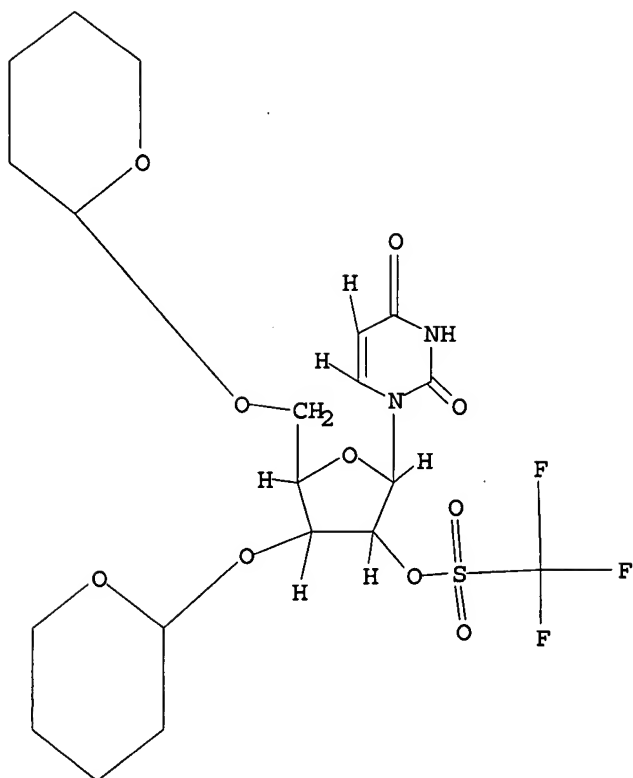
Uploading A:\10.552463.R1.Ishii et al..R1.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

SAMPLE SEARCH INITIATED 10:42:01 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 0 TO 0

PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 sss full

FULL SEARCH INITIATED 10:42:10 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 8 TO ITERATE

100.0% PROCESSED 8 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

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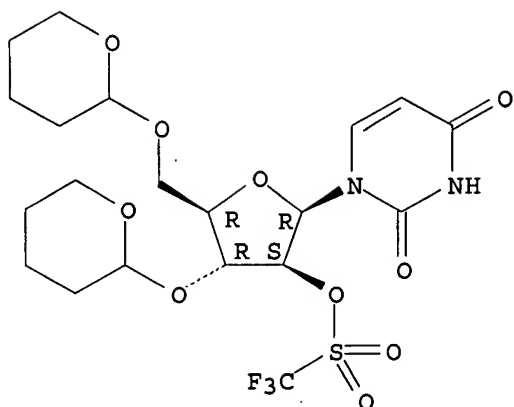
=> d scan

L3 1 ANSWERS REGISTRY COPYRIGHT 2007 ACS on STN

IN 2,4(1H,3H)-Pyrimidinedione, 1-[3,5-bis-O-(tetrahydro-2H-pyran-2-yl)-2-O-  
[(trifluoromethyl)sulfonyl]-β-D-arabinofuranosyl]- (9CI)

MF C20 H27 F3 N2 O10 S

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

=> file Caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

176.15

176.36

FILE 'CAPLUS' ENTERED AT 10:42:28 ON 14 MAY 2007

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FILE COVERS 1907 - 14 May 2007 VOL 146 ISS 21

FILE LAST UPDATED: 13 May 2007 (20070513/ED)

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L1 STRUCTURE UPLOADED

L2 0 S L1 SSS SAM

L3 1 S L1 SSS FULL

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=> s l3 ed ibib abs hitstr

MISSING OPERATOR L3 ED

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s l3

L4 1 L3

=> d l4 ed ibib abs hitstr

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN

ED Entered STN: 22 Oct 2004

ACCESSION NUMBER: 2004:878406 CAPLUS

DOCUMENT NUMBER: 141:350364

TITLE: Process for producing 2'-deoxy-2'-fluorouridine

INVENTOR(S): Ishi, Akihiro; Ootsuka, Takashi; Kanai, Masatomi; Kuriyama, Yokusu; Yasumoto, Manabu; Inomiya, Kenjin; Ueda, Koji

PATENT ASSIGNEE(S): Central Glass Company, Limited, Japan

SOURCE: PCT Int. Appl., 57 pp.

CODEN: PIXXD2

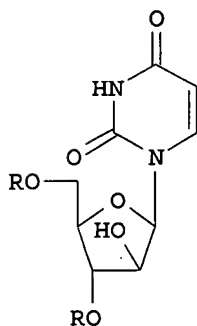
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

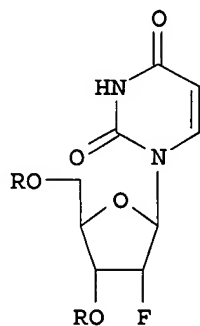
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004089968	A1	20041021	WO 2004-JP5109	20040409
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RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
JP 2004323518	A	20041118	JP 2004-115270	20040409
EP 1612213	A1	20060104	EP 2004-726789	20040409
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR			
CN 1795200	A	20060628	CN 2004-80014679	20040409
US 2006247433	A1	20061102	US 2005-552463	20051007
PRIORITY APPLN. INFO.:			JP 2003-106849	A 20030410
			WO 2004-JP5109	W 20040409
OTHER SOURCE(S):			CASREACT 141:350364; MARPAT 141:350364	
GI				



I



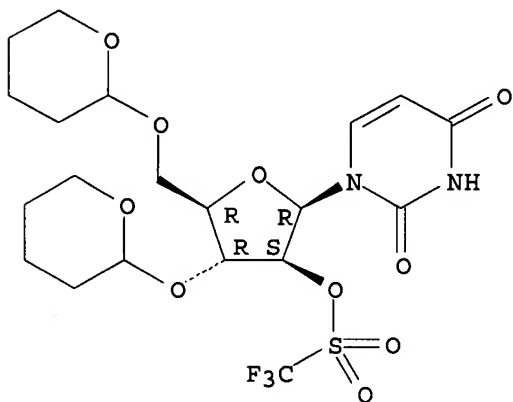
II

AB 1- $\beta$ -D-Arabinofuranosyluracil in a 3',5'-hydroxy-protected form (I; R = hydroxy-protecting group; R1 = H) is reacted with a trifluoromethanesulfonylating agent in the presence of an organic base to convert it into a 2'-triflate form I (R = same as above, R1 = SO<sub>2</sub>CF<sub>3</sub>) and this compound is reacted with a fluorinating agent comprising "a salt or complex comprising an organic base and hydrofluoric acid" to produce 2'-deoxy-2'-fluorouridine in a 3',5'-hydroxy-protected form II (R = same as above). An agent for eliminating the protective groups is further caused to act on the protected compound to obtain 2'-deoxy-2'-fluorouridine II (R = H). The 2'-deoxy-2'-fluorouridine obtained can be efficiently purified by temporarily converting it into a 3',5'-diacetyl form, recrystg. the 3',5'-diacetyl form II (R = Ac), and then deacetylating it. Thereby, high-purity 2'-deoxy-2'-fluorouridine can be produced. Thus, 142.90 g I (R = THP, R1 = H), 290 mL DMF, 87.12 g Et<sub>3</sub>N were added to a SUS pressure vessel, cooled to -54° (inner temperature), treated with 45.00 g CF<sub>3</sub>SO<sub>2</sub>F, and warmed to -20° over 2 h 30 min with stirring to give a reaction mixture containing the triflate I (R = THP, R1 = SO<sub>2</sub>CF<sub>3</sub>) which was treated with 118.00 g Et<sub>3</sub>N.3HF at -20° and stirred at room temperature for 62 h 45 min to give, after workup, crude II (R = THP). II (R = THP) (177.18 g) was stirred with 13.80 g p-MeC<sub>6</sub>H<sub>4</sub>SO<sub>3</sub>H.H<sub>2</sub>O in 150 mL MeOH at room temperature for 16 h 30 min, treated with 6.88 g pyridine, and concentrated to give crude II (R = H) which was acetylated by 54.10 g Ac<sub>2</sub>O in 68.46 g pyridine at room temperature for 19 h to give 58.00 g II (R = Ac) (90.17% purity). II (R = Ac) (58.00 g) was recrystd. twice from methanol/H<sub>2</sub>O (330/120 and 200/100 mL) to give 66% II (R = Ac) (99.95% purity) which (5.00 g) was stirred with 12.89 g NH<sub>3</sub> in 50 mL MeOH at room temperature for 6 h 30 min to give 6.77 g high-purity II (R = H).

IT 774611-26-6P  
 RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)  
 (preparation of 2'-deoxy-2'-fluorouridine by triflation of 3',4'-O-protected  $\beta$ -D-arabinofuranosyluracil, fluorination, and deprotection)

RN 774611-26-6 CAPLUS  
 CN 2,4(1H,3H)-Pyrimidinedione, 1-[3,5-bis-O-(tetrahydro-2H-pyran-2-yl)-2-O-[(trifluoromethyl)sulfonyl]- $\beta$ -D-arabinofuranosyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

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FILE 'REGISTRY' ENTERED AT 10:36:34 ON 14 MAY 2007  
L1 STRUCTURE UPLOADED  
L2 0 S L1 SSS SAM  
L3 1 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 10:42:28 ON 14 MAY 2007  
L4 1 S L3

=> d his

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